



MIRANTIS

Mirantis OpenStack Maintenance Updates

version 9.2

Contents

Preface	1
Intended Audience	2
Documentation History	3
Mirantis OpenStack 9.2 Maintenance Updates	3
Published updates	3
Maintenance update 1	3
Maintenance update 2	26

Preface

This documentation provides information on how to use Fuel to deploy OpenStack environments. The information is for reference purposes and is subject to change.

Intended Audience

This documentation is intended for OpenStack administrators and developers; it assumes that you have experience with network and cloud concepts.

Documentation History

The following table lists the released revisions of this documentation:

Revision Date	Description
February 6, 2017	9.2 GA

Mirantis OpenStack 9.2 Maintenance Updates

Mirantis, Inc. is releasing maintenance updates for Mirantis OpenStack version 9.2.

- For information on how to update the product, see [Update the Fuel Master node](#) and [Update an existing Mirantis OpenStack environment](#).
- For details on a specific update, see [Published updates](#).

Important

Updating of a Mirantis OpenStack deployment results in a downtime of the entire environment. Therefore, before applying the updates to production, you must plan a maintenance window and back up your deployment as well as test the updates on your staging environment.

We strongly recommend contacting Mirantis Support if you plan to update your Mirantis OpenStack environment.

Published updates

The updates for Mirantis OpenStack 9.2 listed below passed a thorough testing and are recommended for all Mirantis OpenStack 9.2 deployments.

Maintenance update 1

This section describes the Mirantis OpenStack maintenance update 1.

Security updates

Note

For your protection, Mirantis does not disclose the security issues until a deep analysis is completed and fixes are available for all the Mirantis OpenStack versions.

Mirantis OpenStack 9.2 maintenance update 1 includes the following security updates:

- Removed the unnecessary dependencies from the pysaml2 package to sync with the community package. [LP1672769](#)

- Updated MySQL wsrep to v5.6.35 to receive the latest functional and security fixes. [LP1657707](#)
- Removed the unnecessary dependencies from the glance package. [LP1673675](#)
- Removed the unnecessary dependency on dpkg-dev from the ceilometer, aodh, and neutron packages. [LP1673680](#)
- Removed the gcc packages from the Fuel Master node to improve security. [LP1674583](#)
- Updated the ntp and ntpdate packages to receive latest security fixes. [LP1663135](#)

Resolved issues

Mirantis OpenStack 9.2 maintenance update 1 contains fixes for the following issues:

- Added the capability to reserve huge pages in Nova. [LP1658982](#)
- Fixed the issue in the Swift configuration that led to the Tempest testing failures. [LP1537071](#)
- Fixed the logrotate configuration file shipped with the cobbler and the openstack-keystone RPM packages. Previously, the regular logrotate cron job did not restart Cobbler correctly and did not use the copytruncate option. This behavior could break the Cobbler and Keystone logging and log rotation processes. [LP1656834](#) | [LP1672702](#)
- Introduced the libmysqlclient18 package to fix the dependency issues when fuel-mirror is used. [LP1651182](#)
- Resolved the issue with unsuccessful attempts to boot an instance with four cores and non-explicit cpu_thread_policy by adding a fallback case. This case allows using a linear assignment to properly fit the instance cores if the standard fitting policy fails. [LP1662130](#)
- Fixed the issue with the nova-consoleauth token sharing that caused failures connecting to the noVNC consoles. [LP1576218](#)
- Fixed the issue in Murano when an administrator was unable to delete a user environment. [LP1667770](#)
- Fixed multiple issues in the mysql-wss OCF-script to significantly reduce the probability of a split-brain effect in a MySQL cluster. [LP1658144](#)
- Fixed the issue with the UMM mode ignoring the COUNTER_RESET_TIME variable. [LP1665669](#)
- Switched the Memcached server setting in the Swift proxy service back to using all available Memcached servers to avoid failures during the Swift Tempest testing. [LP1666837](#)
- Added the capability to connect two or more OVS bridges using a network template. [LP1647557](#)
- Reduced the probability of deadlock in the Nailgun database by removing the constantly changing CPU clock parameter from the data. [LP1624230](#)
- Fixed the issue with wrong service names in the Puppet manifests. [LP1658952](#)
- Fixed the issue in Astute ignoring the debug option being passed to Puppet for the debugging information to appear in the log files. [LP1662512](#)
- Fixed a deadlock in the Nailgun database that caused issues in autotests. [LP1653083](#)

- Extended the interface-matching regular expression used in the ns_haproxy and ns_vrouter OCF scripts to fit the Ubuntu 16.04 interface names. [LP1651404](#) | [LP1581058](#)
- Removed the verbose parameter from the Glance Puppet manifests since it is deprecated. [LP1657431](#)
- Improved the error handling for Timmy in Astute. Now, if Timmy returns the error code 100, Astute shows a meaningful error message. [LP1671455](#)
- Removed one of the mos-holdback repositories to fix the issue with the concurrent versions of the package. [LP1663728](#)
- Synced the priority of the repositories created by fuel-mirror with the default values. [LP1661399](#)
- Expanded the list of repositories created by fuel-mirror with the Mirantis OpenStack 9.2 repositories. [LP1657074](#)
- Disabled the community repositories enabled by the updated centos-release. [LP1673428](#)
- Fixed the issue in the mysql-wss OCF script not waiting until the innobackupex-apply process is finished that caused Pacemaker killing the mysql process. [LP1660275](#)
- Fixed the issue in the l23network provider that caused failures during a deployment if bonds of sub-interfaces are configured. [LP1666229](#)
- Added the capability to use trusts with the Keystone federation. [LP1675040](#) | [LP1675051](#) | [LP1626046](#)

Updated packages

Mirantis OpenStack 9.2 maintenance update 1 contains the following packages:

Ubuntu packages

Package name	Package version
aodh-api	2.0.5-4~u14.04+mos3
aodh-common	2.0.5-4~u14.04+mos3
aodh-doc	2.0.5-4~u14.04+mos3
aodh-evaluator	2.0.5-4~u14.04+mos3
aodh-expirer	2.0.5-4~u14.04+mos3
aodh-listener	2.0.5-4~u14.04+mos3
aodh-notifier	2.0.5-4~u14.04+mos3
ceilometer-agent-central	6.1.4-4~u14.04+mos26
ceilometer-agent-compute	6.1.4-4~u14.04+mos26
ceilometer-agent-ipmi	6.1.4-4~u14.04+mos26
ceilometer-agent-notification	6.1.4-4~u14.04+mos26
ceilometer-alarm-evaluator	6.1.4-4~u14.04+mos26

ceilometer-alarm-notifier	6.1.4-4~u14.04+mos26
ceilometer-api	6.1.4-4~u14.04+mos26
ceilometer-collector	6.1.4-4~u14.04+mos26
ceilometer-common	6.1.4-4~u14.04+mos26
ceilometer-doc	6.1.4-4~u14.04+mos26
ceilometer-polling	6.1.4-4~u14.04+mos26
ceph	0.94.9-1~u14.04+mos2
ceph-common	0.94.9-1~u14.04+mos2
ceph-common-dbg	0.94.9-1~u14.04+mos2
ceph-dbg	0.94.9-1~u14.04+mos2
ceph-fs-common	0.94.9-1~u14.04+mos2
ceph-fs-common-dbg	0.94.9-1~u14.04+mos2
ceph-fuse	0.94.9-1~u14.04+mos2
ceph-fuse-dbg	0.94.9-1~u14.04+mos2
ceph-mds	0.94.9-1~u14.04+mos2
ceph-mds-dbg	0.94.9-1~u14.04+mos2
ceph-resource-agents	0.94.9-1~u14.04+mos2
ceph-test	0.94.9-1~u14.04+mos2
ceph-test-dbg	0.94.9-1~u14.04+mos2
cinder-api	8.1.1-6~u14.04+mos25
cinder-backup	8.1.1-6~u14.04+mos25
cinder-common	8.1.1-6~u14.04+mos25
cinder-doc	8.1.1-6~u14.04+mos25
cinder-scheduler	8.1.1-6~u14.04+mos25
cinder-volume	8.1.1-6~u14.04+mos25
cirros-testvm	0.3.4-2~u14.04+mos6
cmake	3.5.1-1ubuntu1~u14.04+mos1
cmake-curses-gui	3.5.1-1ubuntu1~u14.04+mos1
cmake-data	3.5.1-1ubuntu1~u14.04+mos1
cmake-dbg	3.5.1-1ubuntu1~u14.04+mos1
cmake-doc	3.5.1-1ubuntu1~u14.04+mos1
cmake-qt-gui	3.5.1-1ubuntu1~u14.04+mos1
corosync	2.3.4-0u~u14.04+mos6

corosync-dbg	2.3.4-0u~u14.04+mos6
corosync-dev	2.3.4-0u~u14.04+mos6
corosync-notifyd	2.3.4-0u~u14.04+mos6
dppk	16.07-0ubuntu5~u1404+mos1
dppk-dev	16.07-0ubuntu5~u1404+mos1
dppk-dkms	16.07-0ubuntu5~u1404+mos1
dppk-doc	16.07-0ubuntu5~u1404+mos1
dppk-igb-uiio-dkms	16.07-0ubuntu5~u1404+mos1
dppk-rte-kni-dkms	16.07-0ubuntu5~u1404+mos1
facter	1.7.5-1~u1404+mos2
fencing-agent	9.0.0-1~u14.04+mos8974
fuel-agent	9.0.0-1~u14.04+mos295
fuel-ha-utils	9.0.0-1~u14.04+mos8743
fuel-library9.0	9.0.0-1~u14.04+mos8743
fuel-mirror	9.0.0-1~u14.04+mos170
fuel-misc	9.0.0-1~u14.04+mos8743
fuel-rabbit-fence	9.0.0-1~u14.04+mos8743
fuel-umm	9.0.0-1~u14.04+mos8743
galera-3	25.3.10-1~u14.04+mos3
galera-3-dbg	25.3.10-1~u14.04+mos3
galera-arbitrator-3	25.3.10-1~u14.04+mos3
galera-arbitrator-3-dbg	25.3.10-1~u14.04+mos3
glance	12.0.0-5~u14.04+mos24
glance-api	12.0.0-5~u14.04+mos24
glance-common	12.0.0-5~u14.04+mos24
glance-glare	12.0.0-5~u14.04+mos24
glance-registry	12.0.0-5~u14.04+mos24
haproxy	1.6.3-1~u14.04+mos3
haproxy-dbg	1.6.3-1~u14.04+mos3
heat-api	6.1.1-4~u14.04+mos7
heat-api-cfn	6.1.1-4~u14.04+mos7
heat-api-cloudwatch	6.1.1-4~u14.04+mos7
heat-common	6.1.1-4~u14.04+mos7

heat-doc	6.1.1-4~u14.04+mos7
heat-docker	6.1.1-4~u14.04+mos7
heat-engine	6.1.1-4~u14.04+mos7
hindsight	0.9.0-1~ub14.04+mos2
horizon-doc	9.1.2-3~u14.04+mos32
horizon-vendor-theme	1.0.0~mos8-4~u14.04+mos3
i40e-dkms	1.5.19-1~u14.04+mos2
ironic-api	5.1.2-4~u14.04+mos18
ironic-common	5.1.2-4~u14.04+mos18
ironic-conductor	5.1.2-4~u14.04+mos18
ironic-doc	5.1.2-4~u14.04+mos18
ironic-fa-bootstrap-configs	9.0.0-1~u14.04+mos295
ironic-fa-deploy	9.0.0-1~u14.04+mos295
ixgbe-dkms	4.4.6-1~u14.04+mos1
keystone	9.3.0-3~u14.04+mos7
keystone-doc	9.3.0-3~u14.04+mos7
kpatch	0.3.2-1~u1404+mos1
kpatch-build	0.3.2-1~u1404+mos1
kpatch-dkms	0.3.2-1~u1404+mos1
kpatch-quirks	0.1-0~u1404+mos1
libapache2-mod-security2	2.9.0-1ubuntu1~u1404+mos1
libapache2-modsecurity	2.9.0-1ubuntu1~u1404+mos1
libcacard-dev	2.5.0-2~u1404+mos1
libcacard-tools	2.5.0-2~u1404+mos1
libcacard0	2.5.0-2~u1404+mos1
libcephfs-dev	0.94.9-1~u14.04+mos2
libcephfs-java	0.94.9-1~u14.04+mos2
libcephfs-jni	0.94.9-1~u14.04+mos2
libcephfs-jni-dbg	0.94.9-1~u14.04+mos2
libcephfs1	0.94.9-1~u14.04+mos2
libcephfs1-dbg	0.94.9-1~u14.04+mos2
libcfg-dev	2.3.4-0u~u14.04+mos6
libcfg6	2.3.4-0u~u14.04+mos6

libcib-dev	1.1.14-2~u14.04+mos4
libcib4	1.1.14-2~u14.04+mos4
libcmmap-dev	2.3.4-0u~u14.04+mos6
libcmmap4	2.3.4-0u~u14.04+mos6
libcorosync-common-dev	2.3.4-0u~u14.04+mos6
libcorosync-common4	2.3.4-0u~u14.04+mos6
libcorosync-dev	2.3.4-0u~u14.04+mos6
libcorosync4	2.3.4-0u~u14.04+mos6
libcpkg-dev	2.3.4-0u~u14.04+mos6
libcpkg4	2.3.4-0u~u14.04+mos6
libcrmcluster-dev	1.1.14-2~u14.04+mos4
libcrmcluster4	1.1.14-2~u14.04+mos4
libcrmcommon-dev	1.1.14-2~u14.04+mos4
libcrmcommon3	1.1.14-2~u14.04+mos4
libcrmervice-dev	1.1.14-2~u14.04+mos4
libcrmervice3	1.1.14-2~u14.04+mos4
libdpdk-dev	16.07-0ubuntu5~u1404+mos1
libethdev4	16.07-0ubuntu5~u1404+mos1
libiscsi-bin	1.12.0-2~u1404+mos1
libiscsi-dev	1.12.0-2~u1404+mos1
libiscsi2	1.12.0-2~u1404+mos1
libjs-bootswatch	3.3.5+2+dfsg1-1~u14.04+mos2
liblrmd-dev	1.1.14-2~u14.04+mos4
liblrmd1	1.1.14-2~u14.04+mos4
liblua5.3-0	5.3.1-1~u14.04+mos1
liblua5.3-0-debug	5.3.1-1~u14.04+mos1
liblua5.3-dev	5.3.1-1~u14.04+mos1
libluasandbox-dev	1.0.3-5~ub14.04+mos1
libluasandbox-tools	1.0.3-5~ub14.04+mos1
libluasandbox1	1.0.3-5~ub14.04+mos1
libmysqlclient18	5.6.35-0~u14.04+mos2
libpe-rules2	1.1.14-2~u14.04+mos4
libpe-status10	1.1.14-2~u14.04+mos4

libpengine-dev	1.1.14-2~u14.04+mos4
libpengine10	1.1.14-2~u14.04+mos4
libquorum-dev	2.3.4-0u~u14.04+mos6
libquorum5	2.3.4-0u~u14.04+mos6
librados-dev	0.94.9-1~u14.04+mos2
librados2	0.94.9-1~u14.04+mos2
librados2-dbg	0.94.9-1~u14.04+mos2
libradosstriper-dev	0.94.9-1~u14.04+mos2
libradosstriper1	0.94.9-1~u14.04+mos2
libradosstriper1-dbg	0.94.9-1~u14.04+mos2
librbd-dev	0.94.9-1~u14.04+mos2
librbd1	0.94.9-1~u14.04+mos2
librbd1-dbg	0.94.9-1~u14.04+mos2
librdkafka++1	0.9.1-1~ub14.04+mos1
librdkafka-dev	0.9.1-1~ub14.04+mos1
librdkafka1	0.9.1-1~ub14.04+mos1
librte-acl2	16.07-0ubuntu5~u1404+mos1
librte-cfgfile2	16.07-0ubuntu5~u1404+mos1
librte-cmdline2	16.07-0ubuntu5~u1404+mos1
librte-cryptodev1	16.07-0ubuntu5~u1404+mos1
librte-distributor1	16.07-0ubuntu5~u1404+mos1
librte-eal2	16.07-0ubuntu5~u1404+mos1
librte-hash2	16.07-0ubuntu5~u1404+mos1
librte-ip-frag1	16.07-0ubuntu5~u1404+mos1
librte-jobstats1	16.07-0ubuntu5~u1404+mos1
librte-kni2	16.07-0ubuntu5~u1404+mos1
librte-kvargs1	16.07-0ubuntu5~u1404+mos1
librte-lpm2	16.07-0ubuntu5~u1404+mos1
librte-mbuf2	16.07-0ubuntu5~u1404+mos1
librte-mempool2	16.07-0ubuntu5~u1404+mos1
librte-meter1	16.07-0ubuntu5~u1404+mos1
librte-pdump1	16.07-0ubuntu5~u1404+mos1
librte-pipeline3	16.07-0ubuntu5~u1404+mos1

librte-pmd-af-packet1	16.07-0ubuntu5~u1404+mos1
librte-pmd-bnxt1	16.07-0ubuntu5~u1404+mos1
librte-pmd-bond1	16.07-0ubuntu5~u1404+mos1
librte-pmd-cxgbe1	16.07-0ubuntu5~u1404+mos1
librte-pmd-e1000-1	16.07-0ubuntu5~u1404+mos1
librte-pmd-ena1	16.07-0ubuntu5~u1404+mos1
librte-pmd-enic1	16.07-0ubuntu5~u1404+mos1
librte-pmd-fm10k1	16.07-0ubuntu5~u1404+mos1
librte-pmd-i40e1	16.07-0ubuntu5~u1404+mos1
librte-pmd-ixgbe1	16.07-0ubuntu5~u1404+mos1
librte-pmd-null-crypto1	16.07-0ubuntu5~u1404+mos1
librte-pmd-null1	16.07-0ubuntu5~u1404+mos1
librte-pmd-pcap1	16.07-0ubuntu5~u1404+mos1
librte-pmd-ring2	16.07-0ubuntu5~u1404+mos1
librte-pmd-vhost1	16.07-0ubuntu5~u1404+mos1
librte-pmd-virtio1	16.07-0ubuntu5~u1404+mos1
librte-pmd-vmxnet3-uio1	16.07-0ubuntu5~u1404+mos1
librte-pmd-xenvirt1	16.07-0ubuntu5~u1404+mos1
librte-port3	16.07-0ubuntu5~u1404+mos1
librte-power1	16.07-0ubuntu5~u1404+mos1
librte-reorder1	16.07-0ubuntu5~u1404+mos1
librte-ring1	16.07-0ubuntu5~u1404+mos1
librte-sched1	16.07-0ubuntu5~u1404+mos1
librte-table2	16.07-0ubuntu5~u1404+mos1
librte-timer1	16.07-0ubuntu5~u1404+mos1
librte-vhost3	16.07-0ubuntu5~u1404+mos1
libsam-dev	2.3.4-0u~u14.04+mos6
libsam4	2.3.4-0u~u14.04+mos6
libstonithd-dev	1.1.14-2~u14.04+mos4
libstonithd2	1.1.14-2~u14.04+mos4
libtotem-pg-dev	2.3.4-0u~u14.04+mos6
libtotem-pg5	2.3.4-0u~u14.04+mos6
libtransitioner2	1.1.14-2~u14.04+mos4

libvirt-bin	1.3.1-1ubuntu6~u1404+mos8
libvirt-clients	1.3.1-1ubuntu6~u1404+mos8
libvirt-daemon	1.3.1-1ubuntu6~u1404+mos8
libvirt-daemon-system	1.3.1-1ubuntu6~u1404+mos8
libvirt-dev	1.3.1-1ubuntu6~u1404+mos8
libvirt-doc	1.3.1-1ubuntu6~u1404+mos8
libvirt-sanlock	1.3.1-1ubuntu6~u1404+mos8
libvirt0	1.3.1-1ubuntu6~u1404+mos8
libvirt0-dbg	1.3.1-1ubuntu6~u1404+mos8
libvotequorum-dev	2.3.4-0u~u14.04+mos6
libvotequorum7	2.3.4-0u~u14.04+mos6
libxen-4.6	4.6.0-1ubuntu4~u1404+mos1
libxen-dev	4.6.0-1ubuntu4~u1404+mos1
libxenstore3.0	4.6.0-1ubuntu4~u1404+mos1
libxml2	2.9.3+dfsg1-1~u1404+mos1
libxml2-dbg	2.9.3+dfsg1-1~u1404+mos1
libxml2-dev	2.9.3+dfsg1-1~u1404+mos1
libxml2-doc	2.9.3+dfsg1-1~u1404+mos1
libxml2-utils	2.9.3+dfsg1-1~u1404+mos1
libxml2-utils-dbg	2.9.3+dfsg1-1~u1404+mos1
lua-sandbox-extensions	0.0~git20160812.98065e76-1~ub14.04+mos3
lua5.3	5.3.1-1~u14.04+mos1
mistral-api	2.0.0-2~u14.04+mos9
mistral-common	2.0.0-2~u14.04+mos9
mistral-engine	2.0.0-2~u14.04+mos9
mistral-executor	2.0.0-2~u14.04+mos9
murano-api	2.0.2-10~u14.04+mos20
murano-cfapi	2.0.2-10~u14.04+mos20
murano-common	2.0.2-10~u14.04+mos20
murano-doc	2.0.2-10~u14.04+mos20
murano-engine	2.0.2-10~u14.04+mos20
murano-glance-artifacts-plugin	2.0.2-10~u14.04+mos20
murano-rabbitmq	2.0.2-10~u14.04+mos20

mysql-client-5.6	5.6.35-0~u14.04+mos2
mysql-server-wsrep-5.6	5.6.35-0~u14.04+mos2
mysql-testsuite-5.6	5.6.35-0~u14.04+mos2
mysql-wsrep-5.6	5.6.35-0~u14.04+mos2
mysql-wsrep-common-5.6	5.6.35-0~u14.04+mos2
mysql-wsrep-libmysqlclient-dev	5.6.35-0~u14.04+mos2
mysql-wsrep-libmysqlclient18	5.6.35-0~u14.04+mos2
mysql-wsrep-testsuite-5.6	5.6.35-0~u14.04+mos2
nailgun-agent	9.0.0-1~u14.04+mos187
nailgun-mcagents	9.0.0-1~u14.04+mos794
network-checker	9.0.0-1~u14.04+mos78
neutron-common	8.4.0-2~u14.04+mos15
neutron-dhcp-agent	8.4.0-2~u14.04+mos15
neutron-doc	8.4.0-2~u14.04+mos15
neutron-fwaas-doc	8.4.0-2~u14.04+mos1
neutron-l3-agent	8.4.0-2~u14.04+mos15
neutron-lbaas-agent	8.4.0-2~u14.04+mos1
neutron-lbaas-common	8.4.0-2~u14.04+mos1
neutron-lbaas-doc	8.4.0-2~u14.04+mos1
neutron-lbaasv2-agent	8.4.0-2~u14.04+mos1
neutron-linuxbridge-agent	8.4.0-2~u14.04+mos15
neutron-metadata-agent	8.4.0-2~u14.04+mos15
neutron-metering-agent	8.4.0-2~u14.04+mos15
neutron-openvswitch-agent	8.4.0-2~u14.04+mos15
neutron-plugin-linuxbridge-agent	8.4.0-2~u14.04+mos15
neutron-plugin-nec-agent	8.4.0-2~u14.04+mos15
neutron-plugin-openvswitch-agent	8.4.0-2~u14.04+mos15
neutron-server	8.4.0-2~u14.04+mos15
neutron-sriov-agent	8.4.0-2~u14.04+mos15
neutron-vpn-agent	8.2.0-2~u14.04+mos1
neutron-vpnaas-doc	8.2.0-2~u14.04+mos1
nova-api	13.1.3-7~u14.04+mos30
nova-cells	13.1.3-7~u14.04+mos30

nova-cert	13.1.3-7~u14.04+mos30
nova-common	13.1.3-7~u14.04+mos30
nova-compute	13.1.3-7~u14.04+mos30
nova-compute-ironic	13.1.3-7~u14.04+mos30
nova-compute-kvm	13.1.3-7~u14.04+mos30
nova-compute-lxc	13.1.3-7~u14.04+mos30
nova-compute-qemu	13.1.3-7~u14.04+mos30
nova-conductor	13.1.3-7~u14.04+mos30
nova-console	13.1.3-7~u14.04+mos30
nova-consoleauth	13.1.3-7~u14.04+mos30
nova-consoleproxy	13.1.3-7~u14.04+mos30
nova-doc	13.1.3-7~u14.04+mos30
nova-network	13.1.3-7~u14.04+mos30
nova-scheduler	13.1.3-7~u14.04+mos30
nova-volume	13.1.3-7~u14.04+mos30
ntp	4.2.6.p5+dfsg-3~u14.04+mos3
ntp-doc	4.2.6.p5+dfsg-3~u14.04+mos3
ntpdate	4.2.6.p5+dfsg-3~u14.04+mos3
openstack-dashboard	9.1.2-3~u14.04+mos32
openstack-dashboard-apache	9.1.2-3~u14.04+mos32
openstack-pkg-tools	40~u14.04+mos3
openvswitch-common	2.6.1-0~u1404+mos3
openvswitch-dbg	2.6.1-0~u1404+mos3
openvswitch-ipsec	2.6.1-0~u1404+mos3
openvswitch-pki	2.6.1-0~u1404+mos3
openvswitch-switch	2.6.1-0~u1404+mos3
openvswitch-switch-dpdk	2.6.1-0~u1404+mos3
openvswitch-test	2.6.1-0~u1404+mos3
openvswitch-testcontroller	2.6.1-0~u1404+mos3
openvswitch-vtep	2.6.1-0~u1404+mos3
os-brick-common	1.2.0-4~u14.04+mos8
oslo-messaging-zmq-receiver	4.6.1-3~u14.04+mos19
ovn-central	2.6.1-0~u1404+mos3

ovn-common	2.6.1-0~u14.04+mos3
ovn-controller-vtep	2.6.1-0~u14.04+mos3
ovn-docker	2.6.1-0~u14.04+mos3
ovn-host	2.6.1-0~u14.04+mos3
pacemaker	1.1.14-2~u14.04+mos4
pacemaker-cli-utils	1.1.14-2~u14.04+mos4
pacemaker-common	1.1.14-2~u14.04+mos4
pacemaker-dbg	1.1.14-2~u14.04+mos4
pacemaker-doc	1.1.14-2~u14.04+mos4
pacemaker-remote	1.1.14-2~u14.04+mos4
pacemaker-resource-agents	1.1.14-2~u14.04+mos4
pcs	0.9.144-1~u14.04+mos2
puppet	3.8.5-2~u14.04+mos2
puppet-common	3.8.5-2~u14.04+mos2
puppet-el	3.8.5-2~u14.04+mos2
puppet-testsuite	3.8.5-2~u14.04+mos2
puppetmaster	3.8.5-2~u14.04+mos2
puppetmaster-common	3.8.5-2~u14.04+mos2
puppetmaster-passenger	3.8.5-2~u14.04+mos2
pycadf-common	2.2.0-2~u14.04+mos2
python-aodh	2.0.5-4~u14.04+mos3
python-aodhclient	0.3.0-3~u14.04+mos2
python-aodhclient-doc	0.3.0-3~u14.04+mos2
python-ceilometer	6.1.4-4~u14.04+mos26
python-ceilometerclient	2.4.0-3~u14.04+mos1
python-ceilometerclient-doc	2.4.0-3~u14.04+mos1
python-ceilometermiddleware	0.4.0-1~u14.04+mos4
python-ceilometermiddleware-doc	0.4.0-1~u14.04+mos4
python-ceph	0.94.9-1~u14.04+mos2
python-cephfs	0.94.9-1~u14.04+mos2
python-cinder	8.1.1-6~u14.04+mos25
python-cinderclient	1.6.0-3~u14.04+mos6
python-django-horizon	9.1.2-3~u14.04+mos32

python-django-openstack-auth	2.2.1-2~u14.04+mos9
python-glance	12.0.0-5~u14.04+mos24
python-glance-doc	12.0.0-5~u14.04+mos24
python-glance-store	0.13.1-1~u14.04+mos4
python-glance-store-doc	0.13.1-1~u14.04+mos4
python-glanceclient	2.0.1-3~u14.04+mos2
python-glanceclient-doc	2.0.1-3~u14.04+mos2
python-heat	6.1.1-4~u14.04+mos7
python-heatclient	1.1.0-2~u14.04+mos3
python-influxdb	2.12.0-1~u14.04+mos1
python-ironic	5.1.2-4~u14.04+mos18
python-ironic-inspector-client	1.6.0-1~u14.04+mos3
python-ironicclient	1.3.1-2~u14.04+mos1
python-ironicclient-doc	1.3.1-2~u14.04+mos1
python-kafka	1.2.5-1~u14.04+mos1
python-kafka-doc	1.2.5-1~u14.04+mos1
python-keystone	9.3.0-3~u14.04+mos7
python-keystoneclient	2.3.2-3~u14.04+mos0
python-keystoneclient-doc	2.3.2-3~u14.04+mos0
python-libvirt	1.3.1-1~u14.04+mos1
python-libxml2	2.9.3+dfsg1-1~u1404+mos1
python-libxml2-dbg	2.9.3+dfsg1-1~u1404+mos1
python-mistral	2.0.0-2~u14.04+mos9
python-mistralclient	2.0.0-3~u14.04+mos6
python-murano	2.0.2-10~u14.04+mos20
python-murano-dashboard	2.0.2-5~u14.04+mos9
python-muranoclient	0.8.6-1~u14.04+mos8
python-muranoclient-doc	0.8.6-1~u14.04+mos8
python-neutron	8.4.0-2~u14.04+mos15
python-neutron-fwaas	8.4.0-2~u14.04+mos1
python-neutron-lbaas	8.4.0-2~u14.04+mos1
python-neutron-lib	0.0.3-2+mos3
python-neutron-lib-doc	0.0.3-2+mos3

python-neutron-vpnaas	8.2.0-2~u14.04+mos1
python-neutronclient	4.1.2-2~u14.04+mos15
python-neutronclient-doc	4.1.2-2~u14.04+mos15
python-nova	13.1.3-7~u14.04+mos30
python-novaclient	3.3.2-4~u14.04+mos3
python-novaclient-doc	3.3.2-4~u14.04+mos3
python-openstack-auth	2.2.1-2~u14.04+mos9
python-openstackclient	2.2.0-2~u14.04+mos2
python-openstackclient-doc	2.2.0-2~u14.04+mos2
python-openvswitch	2.6.1-0~u1404+mos3
python-os-brick	1.2.0-4~u14.04+mos8
python-os-brick-doc	1.2.0-4~u14.04+mos8
python-oslo-concurrency	3.7.1-1~u14.04+mos1
python-oslo-concurrency-doc	3.7.1-1~u14.04+mos1
python-oslo-config	3.9.0-4~u14.04+mos3
python-oslo-config-doc	3.9.0-4~u14.04+mos3
python-oslo-db	4.7.1-3~u14.04+mos2
python-oslo-db-doc	4.7.1-3~u14.04+mos2
python-oslo-log	3.3.0-2~u14.04+mos6
python-oslo-log-doc	3.3.0-2~u14.04+mos6
python-oslo-messaging	4.6.1-3~u14.04+mos19
python-oslo-middleware	3.8.0-4~u14.04+mos4
python-oslo-middleware-doc	3.8.0-4~u14.04+mos4
python-oslo-versionedobjects	1.8.0-3~u14.04+mos3
python-oslo-versionedobjects-doc	1.8.0-3~u14.04+mos3
python-oslo-vmware	2.5.0-3~u14.04+mos3
python-oslo-vmware-doc	2.5.0-3~u14.04+mos3
python-oslo.concurrency	3.7.1-1~u14.04+mos1
python-oslo.concurrency-doc	3.7.1-1~u14.04+mos1
python-oslo.config	3.9.0-4~u14.04+mos3
python-oslo.config-doc	3.9.0-4~u14.04+mos3
python-oslo.db	4.7.1-3~u14.04+mos2
python-oslo.db-doc	4.7.1-3~u14.04+mos2

python-oslo.log	3.3.0-2~u14.04+mos6
python-oslo.log-doc	3.3.0-2~u14.04+mos6
python-oslo.messaging	4.6.1-3~u14.04+mos19
python-oslo.messaging.kafka	0.0.1-1~u14.04+mos2
python-oslo.messaging.kafka-doc	0.0.1-1~u14.04+mos2
python-oslo.middleware	3.8.0-4~u14.04+mos4
python-oslo.middleware-doc	3.8.0-4~u14.04+mos4
python-oslo.service	1.8.0-2~u14.04+mos3
python-oslo.service-doc	1.8.0-2~u14.04+mos3
python-oslo.versionedobjects	1.8.0-3~u14.04+mos3
python-oslo.versionedobjects-doc	1.8.0-3~u14.04+mos3
python-oslo.vmware	2.5.0-3~u14.04+mos3
python-oslo.vmware-doc	2.5.0-3~u14.04+mos3
python-packetary	9.0.0-1~u14.04+mos170
python-pycadf	2.2.0-2~u14.04+mos2
python-rados	0.94.9-1~u14.04+mos2
python-rbd	0.94.9-1~u14.04+mos2
python-sahara	4.1.1-3~u14.04+mos9
python-sahara-dashboard	4.0.1-2~u14.04+mos8
python-saharaclient	0.14.1-1~u14.04+mos1
python-saharaclient-doc	0.14.1-1~u14.04+mos1
python-swift	2.7.1-4~u14.04+mos1
python-zaqar	2.0.0~rc1-3~u14.04+mos1
python3-aodhclient	0.3.0-3~u14.04+mos2
python3-ceilometerclient	2.4.0-3~u14.04+mos1
python3-cinderclient	1.6.0-3~u14.04+mos6
python3-django-openstack-auth	2.2.1-2~u14.04+mos9
python3-glance-store	0.13.1-1~u14.04+mos4
python3-glanceclient	2.0.1-3~u14.04+mos2
python3-influxdb	2.12.0-1~u14.04+mos1
python3-ironic-inspector-client	1.6.0-1~u14.04+mos3
python3-ironicclient	1.3.1-2~u14.04+mos1
python3-kafka	1.2.5-1~u14.04+mos1

python3-keystoneclient	2.3.2-3~u14.04+mos0
python3-libvirt	1.3.1-1~u14.04+mos1
python3-mistralclient	2.0.0-3~u14.04+mos6
python3-muranoclient	0.8.6-1~u14.04+mos8
python3-neutron-lib	0.0.3-2+mos3
python3-neutronclient	4.1.2-2~u14.04+mos15
python3-novaclient	3.3.2-4~u14.04+mos3
python3-openstackclient	2.2.0-2~u14.04+mos2
python3-openvswitch	2.6.1-0~u1404+mos3
python3-os-brick	1.2.0-4~u14.04+mos8
python3-oslo-concurrency	3.7.1-1~u14.04+mos1
python3-oslo-config	3.9.0-4~u14.04+mos3
python3-oslo-log	3.3.0-2~u14.04+mos6
python3-oslo-middleware	3.8.0-4~u14.04+mos4
python3-oslo.concurrency	3.7.1-1~u14.04+mos1
python3-oslo.config	3.9.0-4~u14.04+mos3
python3-oslo.db	4.7.1-3~u14.04+mos2
python3-oslo.log	3.3.0-2~u14.04+mos6
python3-oslo.messaging	4.6.1-3~u14.04+mos19
python3-oslo.messaging.kafka	0.0.1-1~u14.04+mos2
python3-oslo.middleware	3.8.0-4~u14.04+mos4
python3-oslo.service	1.8.0-2~u14.04+mos3
python3-oslo.versionedobjects	1.8.0-3~u14.04+mos3
python3-oslo.vmware	2.5.0-3~u14.04+mos3
python3-pycadf	2.2.0-2~u14.04+mos2
python3-saharaclient	0.14.1-1~u14.04+mos1
qemu	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-block-extra	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-guest-agent	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-kvm	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-arm	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-common	2.5+dfsg-5ubuntu6~u1404+mos3

qemu-system-mips	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-misc	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-ppc	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-sparc	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-system-x86	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-user	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-user-binfmt	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-user-static	2.5+dfsg-5ubuntu6~u1404+mos3
qemu-utils	2.5+dfsg-5ubuntu6~u1404+mos3
rabbitmq-server	3.6.6-1~u14.04+mos2
radosgw	0.94.9-1~u14.04+mos2
radosgw-dbg	0.94.9-1~u14.04+mos2
rbd-fuse	0.94.9-1~u14.04+mos2
rbd-fuse-dbg	0.94.9-1~u14.04+mos2
rest-bench	0.94.9-1~u14.04+mos2
rest-bench-dbg	0.94.9-1~u14.04+mos2
sahara	4.1.1-3~u14.04+mos9
sahara-api	4.1.1-3~u14.04+mos9
sahara-common	4.1.1-3~u14.04+mos9
sahara-doc	4.1.1-3~u14.04+mos9
sahara-engine	4.1.1-3~u14.04+mos9
swift	2.7.1-4~u14.04+mos1
swift-account	2.7.1-4~u14.04+mos1
swift-container	2.7.1-4~u14.04+mos1
swift-doc	2.7.1-4~u14.04+mos1
swift-drive-audit	2.7.1-4~u14.04+mos1
swift-object	2.7.1-4~u14.04+mos1
swift-object-expirer	2.7.1-4~u14.04+mos1
swift-proxy	2.7.1-4~u14.04+mos1
vim-haproxy	1.6.3-1~u14.04+mos3
vim-puppet	3.8.5-2~u14.04+mos2
xen-hypervisor-4.4-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-hypervisor-4.5-amd64	4.6.0-1ubuntu4~u1404+mos1

xen-hypervisor-4.6-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-system-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-utils-4.6	4.6.0-1ubuntu4~u1404+mos1
xen-utils-common	4.6.0-1ubuntu4~u1404+mos1
xenstore-utils	4.6.0-1ubuntu4~u1404+mos1
zaqar-common	2.0.0~rc1-3~u14.04+mos1
zaqar-server	2.0.0~rc1-3~u14.04+mos1

CentOS packages

Package name	Package version
GitPython	2.0.8-1.el7~mos1
ansible	2.1.1.0-1.el7~mos2
cobbler	2.6.9-1.el7~mos12
cobbler-web	2.6.9-1.el7~mos12
fencing-agent	9.0.0-1.mos8974
fuel	9.0.0-1.mos6363
fuel-agent	9.0.0-1.mos295
fuel-bootstrap-cli	9.0.0-1.mos295
fuel-ha-utils	9.0.0-1.mos8743
fuel-library9.0	9.0.0-1.mos8743
fuel-migrate	9.0.0-1.mos8743
fuel-mirror	9.0.0-1.mos170
fuel-misc	9.0.0-1.mos8743
fuel-nailgun	9.0.0-1.mos8974
fuel-nailgun-extension-cluster-upgrade	9.1-1.mos86
fuel-nailgun-extension-converted-serializers	10.0~b1-1.mos4
fuel-nailgun-extension-iac	9.0.0-1.mos62
fuel-notify	9.0.0-1.mos8743
fuel-octane	9.0.0-1.mos1373
fuel-openstack-metadata	9.0.0-1.mos8974
fuel-ostf	9.0.0-1.mos950
fuel-provisioning-scripts	9.0.0-1.mos8974

fuel-rabbit-fence	9.0.0-1.mos8743
fuel-release	9.0.0-1.mos6363
fuel-setup	9.0.0-1.mos6363
fuel-ui	9.0.0-1.mos2866
fuel-umm	9.0.0-1.mos8743
fuel-utils	9.0.0-1.mos8743
fuelmenu	9.0.0-1.mos278
ironic-fa-bootstrap-configs	9.0.0-1.mos295
koan	2.6.9-1.el7~mos12
logrotate	3.8.6-7.el7~mos2
logrotate-debuginfo	3.8.6-7.el7~mos2
mos-playbooks	1.0.99-1.el7~mos1
mos-release	9.2-1.el7
mos-updates	1.0.3-4.el7~mos6
nailgun-agent	9.0.0-1.mos187
nailgun-mcagents	9.0.0-1.mos794
network-checker	9.0.0-1.mos78
network-checker-debuginfo	9.0.0-1.mos78
nginx	1.11.1-1.el7~mos0
nginx-debuginfo	1.11.1-1.el7~mos0
nginx-module-geoip	1.11.1-1.el7~mos0
nginx-module-image-filter	1.11.1-1.el7~mos0
nginx-module-njs	1.11.1.0.0.20160414.1c50334fbea6-1.el7~mos0
nginx-module-perl	1.11.1-1.el7~mos0
nginx-module-xslt	1.11.1-1.el7~mos0
nodejs-nailgun	4-1.el7~mos1
nodejs-nailgun-debuginfo	4-1.el7~mos1
openstack-ceilometer-api	6.1.4-2.el7~mos26
openstack-ceilometer-central	6.1.4-2.el7~mos26
openstack-ceilometer-collector	6.1.4-2.el7~mos26
openstack-ceilometer-common	6.1.4-2.el7~mos26
openstack-ceilometer-compute	6.1.4-2.el7~mos26
openstack-ceilometer-ipmi	6.1.4-2.el7~mos26

openstack-ceilometer-notification	6.1.4-2.el7~mos26
openstack-ceilometer-polling	6.1.4-2.el7~mos26
openstack-cinder	8.1.1-1.el7~mos25
openstack-cinder-doc	8.1.1-1.el7~mos25
openstack-glance	12.0.0-2.el7~mos24
openstack-glance-doc	12.0.0-2.el7~mos24
openstack-ironic-api	5.1.2-1.el7~mos18
openstack-ironic-common	5.1.2-1.el7~mos18
openstack-ironic-conductor	5.1.2-1.el7~mos18
openstack-keystone	9.3.0-2.el7~mos6
openstack-keystone-doc	9.3.0-2.el7~mos6
openstack-neutron	8.4.0-1.el7~mos15
openstack-neutron-bgp-dragent	8.4.0-1.el7~mos15
openstack-neutron-common	8.4.0-1.el7~mos15
openstack-neutron-doc	8.4.0-1.el7~mos15
openstack-neutron-fwaas	8.4.0-1.el7~mos1
openstack-neutron-lbaas	8.4.0-1.el7~mos1
openstack-neutron-linuxbridge	8.4.0-1.el7~mos15
openstack-neutron-macvtap-agent	8.4.0-1.el7~mos15
openstack-neutron-metering-agent	8.4.0-1.el7~mos15
openstack-neutron-ml2	8.4.0-1.el7~mos15
openstack-neutron-openvswitch	8.4.0-1.el7~mos15
openstack-neutron-rpc-server	8.4.0-1.el7~mos15
openstack-neutron-sriov-nic-agent	8.4.0-1.el7~mos15
openstack-neutron-vpnaas	8.2.0-1.el7~mos1
openstack-neutron-vyatta-agent	8.2.0-1.el7~mos1
openstack-nova	13.1.3-3.el7~mos30
openstack-nova-api	13.1.3-3.el7~mos30
openstack-nova-cells	13.1.3-3.el7~mos30
openstack-nova-cert	13.1.3-3.el7~mos30
openstack-nova-common	13.1.3-3.el7~mos30
openstack-nova-compute	13.1.3-3.el7~mos30
openstack-nova-conductor	13.1.3-3.el7~mos30

openstack-nova-console	13.1.3-3.el7~mos30
openstack-nova-doc	13.1.3-3.el7~mos30
openstack-nova-network	13.1.3-3.el7~mos30
openstack-nova-novncproxy	13.1.3-3.el7~mos30
openstack-nova-scheduler	13.1.3-3.el7~mos30
openstack-nova-serialproxy	13.1.3-3.el7~mos30
openstack-nova-spicehtml5proxy	13.1.3-3.el7~mos30
openstack-swift	2.7.1-1.el7~mos1
openstack-swift-account	2.7.1-1.el7~mos1
openstack-swift-container	2.7.1-1.el7~mos1
openstack-swift-doc	2.7.1-1.el7~mos1
openstack-swift-object	2.7.1-1.el7~mos1
openstack-swift-proxy	2.7.1-1.el7~mos1
os-brick	1.2.0-1.el7~mos8
python-aodhclient	0.3.0-1.el7~mos2
python-ceilometer	6.1.4-2.el7~mos26
python-ceilometerclient	2.4.0-1.el7~mos1
python-ceilometerclient-doc	2.4.0-1.el7~mos1
python-cinder	8.1.1-1.el7~mos25
python-cinderclient	1.6.0-1.el7~mos6
python-cinderclient-doc	1.6.0-1.el7~mos6
python-cryptography-debuginfo	1.0-1.el7~mos3
python-cudet	0.1.9-1.el7~mos1
python-enum34	1.0.4-1.el7_0~mos1
python-fuelclient	9.0.0-1.mos367
python-gitdb	0.6.4-2.el7~mos1
python-gitdb-debuginfo	0.6.4-2.el7~mos1
python-glance	12.0.0-2.el7~mos24
python-glance-store	0.13.1-1.el7~mos4
python-glance-store-doc	0.13.1-1.el7~mos4
python-glance-tests	12.0.0-2.el7~mos24
python-glanceclient	2.0.1-1.el7~mos2
python-glanceclient-doc	2.0.1-1.el7~mos2

python-ironic-tests	5.1.2-1.el7~mos18
python-ironicclient	1.3.1-1.el7~mos1
python-kafka	1.2.5-1.el7~mos1
python-keystone	9.3.0-2.el7~mos7
python-keystoneclient	2.3.2-1.el7~mos0
python-keystoneclient-doc	2.3.2-1.el7~mos0
python-mistralclient	2.0.0-1.el7~mos6
python-mistralclient-doc	2.0.0-1.el7~mos6
python-muranoclient	0.8.6-1.el7~mos8
python-neutron	8.4.0-1.el7~mos15
python-neutron-fwaas	8.4.0-1.el7~mos1
python-neutron-fwaas-tests	8.4.0-1.el7~mos1
python-neutron-lbaas	8.4.0-1.el7~mos1
python-neutron-lbaas-tests	8.4.0-1.el7~mos1
python-neutron-lib	0.0.3-2.el7~mos3
python-neutron-lib-doc	0.0.3-2.el7~mos3
python-neutron-lib-tests	0.0.3-2.el7~mos3
python-neutron-tests	8.4.0-1.el7~mos15
python-neutron-vpnaas	8.2.0-1.el7~mos1
python-neutron-vpnaas-tests	8.2.0-1.el7~mos1
python-neutronclient	4.1.2-2.el7~mos15
python-neutronclient-doc	4.1.2-2.el7~mos15
python-nova	13.1.3-3.el7~mos30
python-novaclient	3.3.2-2.el7~mos3
python-novaclient-doc	3.3.2-2.el7~mos3
python-openstackclient	2.2.0-1.el7~mos2
python-openstackclient-doc	2.2.0-1.el7~mos2
python-oslo-concurrency	3.7.1-1.el7~mos1
python-oslo-concurrency-doc	3.7.1-1.el7~mos1
python-oslo-db	4.7.1-1.el7~mos2
python-oslo-db-doc	4.7.1-1.el7~mos2
python-oslo-log	3.3.0-1.el7~mos6
python-oslo-log-doc	3.3.0-1.el7~mos6

python-oslo-messaging	4.6.1-2.el7~mos19
python-oslo-messaging-kafka	0.0.1-1.el7~mos2
python-oslo-messaging-kafka-doc	0.0.1-1.el7~mos2
python-oslo-middleware	3.8.0-1.el7~mos4
python-oslo-middleware-doc	3.8.0-1.el7~mos4
python-oslo-service	1.8.0-2.el7~mos4
python-oslo-versionedobjects	1.8.0-2.el7~mos3
python-oslo-versionedobjects-doc	1.8.0-2.el7~mos3
python-oslo-vmware	2.5.0-1.el7~mos3
python-oslo-vmware-doc	2.5.0-1.el7~mos3
python-packetary	9.0.0-1.mos170
python-pycadf	1.1.0-1.el7~mos2
python-pysaml2	2.4.0-2.el7~mos6
python-saharaclient	0.14.1-2.el7~mos1
python-smmap	0.9.0-1.el7~mos1
python-timmy	1.26.11-1.mos400
python2-cryptography	1.0-1.el7~mos3
python2-ironic-inspector-client	1.6.0-1.el7~mos3
python2-oslo-config	3.9.0-2.el7~mos3
python2-oslo-config-doc	3.9.0-2.el7~mos3
python3-GitPython	2.0.8-1.el7~mos1
python3-gitdb	0.6.4-2.el7~mos1
python3-smmap	0.9.0-1.el7~mos1
rabbitmq-server	3.6.5-1.el7~mos1
rsync	3.1.0-6.el7~mos0
rsync-debuginfo	3.1.0-6.el7~mos0
rubygem-astute	9.0.0-1.mos794
solar	0.2.1-2

Maintenance update 2

This section describes the Mirantis OpenStack maintenance update 2.

Security updates

Note

For your protection, Mirantis does not disclose the security issues until a deep analysis is completed and fixes are available for all the Mirantis OpenStack versions.

Mirantis OpenStack 9.2 maintenance update 2 includes the following security updates:

- Fixed security vulnerability in the libnl package. [LP1696742](#)
- Updated MySQL to version 5.6.36 to obtain recent security fixes. [LP1691463](#)
- Fixed multiple security vulnerabilities in QEMU. [LP1685218](#)
- [\[CVE-2017-2673\]](#) Fixed the security vulnerability in Keystone when used in the federation configuration. [LP1680766](#)
- Introduced the noexec option for the /run/shm mount point to harden security. A bootstrap image should be updated to change mount option on new nodes. The current mount options should be changed on existing nodes. [LP1690127](#)
- [\[CVE-2013-7459\]](#) Fixed the security vulnerability in the Python crypto package. [LP1665558](#)
- Excluded anonymous Cipher suites with no key authentication from the Cobbler SSL configuration. [LP1646761](#)
- [\[CVE-2017-7233\]](#), [\[CVE-2017-7234\]](#) Fixed the open redirect vulnerability in the python-django package. [LP1679820](#)

Resolved issues

Mirantis OpenStack 9.2 maintenance update 2 contains fixes for the following issues:

- Fixed the issue in Nova which prevented the instances with qcow2 ephemeral drives from cold migration. [LP1686944](#)
- Fixed the RBD driver in Cinder throwing an unhandled exception when managing a non-existent volume. [LP1688513](#)
- Raised the number of reconnection retries to infinity in Ceilometer. [LP1611023](#)
- Introduced the default timeout for sockets in Ceilometer to avoid growing of the empty sockets. [LP1678142](#)
- Updated the i40e driver to support all modern network interface cards. [LP1674862](#) | [LP1688234](#)
- Added the capability for Nova to create ports from multi-provider networks. [LP1676513](#)
- Added the default installation of aodh-expirer to enable the cleanup of the expired AODH alarms history. [LP1689806](#)
- Changed the storage location of the Pacemaker lrm logs from the Fuel Master node to the local nodes . [LP1661003](#)
- Fixed the race condition in MySQL OCF-script that caused failures when several MySQL instances were starting simultaneously. [LP1617400](#)

- Fixed the issue with the artifact of the deployment string appearing in the Fuel web UI. [LP1661162](#)
- Enabled the strict ordering of entries in the etc/hosts/ files. [LP1624143](#)
- Fixed the issue in the Puppet manifests leading to failures in an environment re-deployment if nodes were changed. [LP1679522](#)
- Fixed the issue in the Swift object auditor leading to the growth of zombie processes. [LP1551843](#)
- Improved the MySQL resource in Pacemaker to be restarted in case of a failure. [LP1668225](#)
- Fixed the race condition in the repos.mk makefile. [LP1684426](#)
- Deprecated the unused legacy iptables chains. [LP1680025](#)
- Improved OVS provisioning to refresh cached port IDs after the instances restarts and the power resets. The fix helps to stabilize DHCP operations. [LP1670185](#)
- Fixed the issue in Nova that prevented a VM from being migrated if the destination host was specified. [LP1658070](#)
- Improved the Nova scheduler that now allows self-defined specs in ComputeCapacityFilter. [LP1683748](#)
- Significantly reduced the probability of missed network-vif-plugged events in Nova if SR-IOV ports are in use. [LP1692005](#)
- Fixed the issue in Nova with incorrect host CPUs giving threads to emulator when using a flavor with the cpu_realtime_mask flag. [LP1682137](#)
- Fixed a regression in Nova introduced in [CR290780](#) during the Mitaka cycle. [LP1675422](#)
- Fixed the issue with wrong calculation of MTU on the DPDK-enabled interfaces. [LP1587310](#)
- Improved the Mirantis OpenStack update procedure to update the ceph packages in a more reliable way. Previously, a long timeframe occurred between the ceph package update and the services restart. The fix prevents accidental restarts of nodes or ceph that could lead to the Ceph cluster failure. [LP1661260](#)
- Fixed the issue in fuel-agent that caused wrong interface renaming for the FCoE network interface cards. [LP1656892](#)
- Updated the novnc package to version 0.6.1 to fix the slowness of the Horizon noVNC console in the recent versions (>50) of Chrome browser. [LP1666562](#)
- Added the capability to use UDP for transporting logs from the Fuel Slave nodes to the Fuel Master node. [LP1651437](#)
- Optimized the keystone.conf file by removing useless options. [LP1693188](#)
- Optimized the cache log in Glance by removing useless warning messages. [LP1690114](#)
- Fixed the issue with OVS bridges that were not UP after creation. [LP1692918](#)

Updated packages

Mirantis OpenStack 9.2 maintenance update 2 contains the following packages:

Ubuntu packages

Package name	Package version
aodh-api	2.0.5-4~u14.04+mos3
aodh-common	2.0.5-4~u14.04+mos3
aodh-doc	2.0.5-4~u14.04+mos3
aodh-evaluator	2.0.5-4~u14.04+mos3
aodh-expirer	2.0.5-4~u14.04+mos3
aodh-listener	2.0.5-4~u14.04+mos3
aodh-notifier	2.0.5-4~u14.04+mos3
ceilometer-agent-central	6.1.4-5~u14.04+mos27
ceilometer-agent-compute	6.1.4-5~u14.04+mos27
ceilometer-agent-ipmi	6.1.4-5~u14.04+mos27
ceilometer-agent-notification	6.1.4-5~u14.04+mos27
ceilometer-alarm-evaluator	6.1.4-5~u14.04+mos27
ceilometer-alarm-notifier	6.1.4-5~u14.04+mos27
ceilometer-api	6.1.4-5~u14.04+mos27
ceilometer-collector	6.1.4-5~u14.04+mos27
ceilometer-common	6.1.4-5~u14.04+mos27
ceilometer-doc	6.1.4-5~u14.04+mos27
ceilometer-polling	6.1.4-5~u14.04+mos27
ceph	0.94.9-1~u14.04+mos2
ceph-common	0.94.9-1~u14.04+mos2
ceph-common-dbg	0.94.9-1~u14.04+mos2
ceph-dbg	0.94.9-1~u14.04+mos2
ceph-fs-common	0.94.9-1~u14.04+mos2
ceph-fs-common-dbg	0.94.9-1~u14.04+mos2
ceph-fuse	0.94.9-1~u14.04+mos2
ceph-fuse-dbg	0.94.9-1~u14.04+mos2
ceph-mds	0.94.9-1~u14.04+mos2
ceph-mds-dbg	0.94.9-1~u14.04+mos2
ceph-resource-agents	0.94.9-1~u14.04+mos2
ceph-test	0.94.9-1~u14.04+mos2
ceph-test-dbg	0.94.9-1~u14.04+mos2

cinder-api	8.1.1-6~u14.04+mos26
cinder-backup	8.1.1-6~u14.04+mos26
cinder-common	8.1.1-6~u14.04+mos26
cinder-doc	8.1.1-6~u14.04+mos26
cinder-scheduler	8.1.1-6~u14.04+mos26
cinder-volume	8.1.1-6~u14.04+mos26
cirros-testvm	0.3.4-2~u14.04+mos6
cmake	3.5.1-1ubuntu1~u14.04+mos1
cmake-curses-gui	3.5.1-1ubuntu1~u14.04+mos1
cmake-data	3.5.1-1ubuntu1~u14.04+mos1
cmake-dbg	3.5.1-1ubuntu1~u14.04+mos1
cmake-doc	3.5.1-1ubuntu1~u14.04+mos1
cmake-qt-gui	3.5.1-1ubuntu1~u14.04+mos1
corosync	2.3.4-0u~u14.04+mos6
corosync-dbg	2.3.4-0u~u14.04+mos6
corosync-dev	2.3.4-0u~u14.04+mos6
corosync-notifyd	2.3.4-0u~u14.04+mos6
dppdk	16.07-0ubuntu5~u1404+mos1
dppdk-dev	16.07-0ubuntu5~u1404+mos1
dppdk-dkms	16.07-0ubuntu5~u1404+mos1
dppdk-doc	16.07-0ubuntu5~u1404+mos1
dppdk-igb-uio-dkms	16.07-0ubuntu5~u1404+mos1
dppdk-rte-kni-dkms	16.07-0ubuntu5~u1404+mos1
facter	1.7.5-1~u1404+mos2
fencing-agent	9.0.0-1~u14.04+mos8978
fuel-agent	9.0.0-1~u14.04+mos298
fuel-ha-utils	9.0.0-1~u14.04+mos8763
fuel-library9.0	9.0.0-1~u14.04+mos8763
fuel-mirror	9.0.0-1~u14.04+mos173
fuel-misc	9.0.0-1~u14.04+mos8763
fuel-rabbit-fence	9.0.0-1~u14.04+mos8763
fuel-umm	9.0.0-1~u14.04+mos8763
galera-3	25.3.10-1~u14.04+mos3

galera-3-dbg	25.3.10-1~u14.04+mos3
galera-arbitrator-3	25.3.10-1~u14.04+mos3
galera-arbitrator-3-dbg	25.3.10-1~u14.04+mos3
glance	12.0.0-5~u14.04+mos25
glance-api	12.0.0-5~u14.04+mos25
glance-common	12.0.0-5~u14.04+mos25
glance-glare	12.0.0-5~u14.04+mos25
glance-registry	12.0.0-5~u14.04+mos25
haproxy	1.6.3-1~u14.04+mos3
haproxy-dbg	1.6.3-1~u14.04+mos3
heat-api	6.1.2-4~u14.04+mos5
heat-api-cfn	6.1.2-4~u14.04+mos5
heat-api-cloudwatch	6.1.2-4~u14.04+mos5
heat-common	6.1.2-4~u14.04+mos5
heat-doc	6.1.2-4~u14.04+mos5
heat-docker	6.1.2-4~u14.04+mos5
heat-engine	6.1.2-4~u14.04+mos5
hindsight	0.9.0-1~ub14.04+mos2
horizon-doc	9.1.2-3~u14.04+mos32
horizon-vendor-theme	1.0.0~mos8-4~u14.04+mos3
i40e-dkms	1.6.42-1~u14.04+mos1
ironic-api	5.1.3-4~u14.04+mos2
ironic-common	5.1.3-4~u14.04+mos2
ironic-conductor	5.1.3-4~u14.04+mos2
ironic-doc	5.1.3-4~u14.04+mos2
ironic-fa-bootstrap-configs	9.0.0-1~u14.04+mos298
ironic-fa-deploy	9.0.0-1~u14.04+mos298
ixgbe-dkms	4.4.6-1~u14.04+mos1
keystone	9.3.0-3~u14.04+mos8
keystone-doc	9.3.0-3~u14.04+mos8
kpatch	0.3.2-1~u1404+mos1
kpatch-build	0.3.2-1~u1404+mos1
kpatch-dkms	0.3.2-1~u1404+mos1

kpatch-quirks	0.1-0~u1404+mos1
libapache2-mod-security2	2.9.0-1ubuntu1~u1404+mos1
libapache2-modsecurity	2.9.0-1ubuntu1~u1404+mos1
libcacard-dev	2.5.0-2~u1404+mos1
libcacard-tools	2.5.0-2~u1404+mos1
libcacard0	2.5.0-2~u1404+mos1
libcephfs-dev	0.94.9-1~u14.04+mos2
libcephfs-java	0.94.9-1~u14.04+mos2
libcephfs-jni	0.94.9-1~u14.04+mos2
libcephfs-jni-dbg	0.94.9-1~u14.04+mos2
libcephfs1	0.94.9-1~u14.04+mos2
libcephfs1-dbg	0.94.9-1~u14.04+mos2
libcfg-dev	2.3.4-0u~u14.04+mos6
libcfg6	2.3.4-0u~u14.04+mos6
libcib-dev	1.1.14-2~u14.04+mos4
libcib4	1.1.14-2~u14.04+mos4
libcmap-dev	2.3.4-0u~u14.04+mos6
libcmap4	2.3.4-0u~u14.04+mos6
libcorosync-common-dev	2.3.4-0u~u14.04+mos6
libcorosync-common4	2.3.4-0u~u14.04+mos6
libcorosync-dev	2.3.4-0u~u14.04+mos6
libcorosync4	2.3.4-0u~u14.04+mos6
libcpkg-dev	2.3.4-0u~u14.04+mos6
libcpkg4	2.3.4-0u~u14.04+mos6
libcrmcluster-dev	1.1.14-2~u14.04+mos4
libcrmcluster4	1.1.14-2~u14.04+mos4
libcrmcommon-dev	1.1.14-2~u14.04+mos4
libcrmcommon3	1.1.14-2~u14.04+mos4
libcrmervice-dev	1.1.14-2~u14.04+mos4
libcrmervice3	1.1.14-2~u14.04+mos4
libdpdk-dev	16.07-0ubuntu5~u1404+mos1
libethdev4	16.07-0ubuntu5~u1404+mos1
libiscsi-bin	1.12.0-2~u1404+mos1

libiscsi-dev	1.12.0-2~u1404+mos1
libiscsi2	1.12.0-2~u1404+mos1
libjs-bootswatch	3.3.5+2+dfsg1-1~u14.04+mos2
liblrmd-dev	1.1.14-2~u14.04+mos4
liblrmd1	1.1.14-2~u14.04+mos4
liblua5.3-0	5.3.1-1~u14.04+mos1
liblua5.3-0-debug	5.3.1-1~u14.04+mos1
liblua5.3-dev	5.3.1-1~u14.04+mos1
libluasandbox-dev	1.0.3-5~ub14.04+mos1
libluasandbox-tools	1.0.3-5~ub14.04+mos1
libluasandbox1	1.0.3-5~ub14.04+mos1
libmysqlclient18	5.6.36-0~u14.04+mos0
libnl-3-200	3.2.24-2.1~u14.04+mos1
libnl-3-200-debug	3.2.24-2.1~u14.04+mos1
libnl-3-dev	3.2.24-2.1~u14.04+mos1
libnl-cli-3-200	3.2.24-2.1~u14.04+mos1
libnl-cli-3-dev	3.2.24-2.1~u14.04+mos1
libnl-genl-3-200	3.2.24-2.1~u14.04+mos1
libnl-genl-3-dev	3.2.24-2.1~u14.04+mos1
libnl-idiag-3-200	3.2.24-2.1~u14.04+mos1
libnl-idiag-3-dev	3.2.24-2.1~u14.04+mos1
libnl-nf-3-200	3.2.24-2.1~u14.04+mos1
libnl-nf-3-dev	3.2.24-2.1~u14.04+mos1
libnl-route-3-200	3.2.24-2.1~u14.04+mos1
libnl-route-3-dev	3.2.24-2.1~u14.04+mos1
libnl-utils	3.2.24-2.1~u14.04+mos1
libpe-rules2	1.1.14-2~u14.04+mos4
libpe-status10	1.1.14-2~u14.04+mos4
libpengine-dev	1.1.14-2~u14.04+mos4
libpengine10	1.1.14-2~u14.04+mos4
libquorum-dev	2.3.4-0u~u14.04+mos6
libquorum5	2.3.4-0u~u14.04+mos6
librados-dev	0.94.9-1~u14.04+mos2

librados2	0.94.9-1~u14.04+mos2
librados2-dbg	0.94.9-1~u14.04+mos2
libradosstriper-dev	0.94.9-1~u14.04+mos2
libradosstriper1	0.94.9-1~u14.04+mos2
libradosstriper1-dbg	0.94.9-1~u14.04+mos2
librbd-dev	0.94.9-1~u14.04+mos2
librbd1	0.94.9-1~u14.04+mos2
librbd1-dbg	0.94.9-1~u14.04+mos2
librdkafka++1	0.9.1-1~ub14.04+mos1
librdkafka-dev	0.9.1-1~ub14.04+mos1
librdkafka1	0.9.1-1~ub14.04+mos1
librte-acl2	16.07-0ubuntu5~u1404+mos1
librte-cfgfile2	16.07-0ubuntu5~u1404+mos1
librte-cmdline2	16.07-0ubuntu5~u1404+mos1
librte-cryptodev1	16.07-0ubuntu5~u1404+mos1
librte-distributor1	16.07-0ubuntu5~u1404+mos1
librte-eal2	16.07-0ubuntu5~u1404+mos1
librte-hash2	16.07-0ubuntu5~u1404+mos1
librte-ip-frag1	16.07-0ubuntu5~u1404+mos1
librte-jobstats1	16.07-0ubuntu5~u1404+mos1
librte-kni2	16.07-0ubuntu5~u1404+mos1
librte-kvargs1	16.07-0ubuntu5~u1404+mos1
librte-lpm2	16.07-0ubuntu5~u1404+mos1
librte-mbuf2	16.07-0ubuntu5~u1404+mos1
librte-mempool2	16.07-0ubuntu5~u1404+mos1
librte-meter1	16.07-0ubuntu5~u1404+mos1
librte-pdump1	16.07-0ubuntu5~u1404+mos1
librte-pipeline3	16.07-0ubuntu5~u1404+mos1
librte-pmd-af-packet1	16.07-0ubuntu5~u1404+mos1
librte-pmd-bnxt1	16.07-0ubuntu5~u1404+mos1
librte-pmd-bond1	16.07-0ubuntu5~u1404+mos1
librte-pmd-cxgbe1	16.07-0ubuntu5~u1404+mos1
librte-pmd-e1000-1	16.07-0ubuntu5~u1404+mos1

librte-pmd-ena1	16.07-0ubuntu5~u1404+mos1
librte-pmd-enic1	16.07-0ubuntu5~u1404+mos1
librte-pmd-fm10k1	16.07-0ubuntu5~u1404+mos1
librte-pmd-i40e1	16.07-0ubuntu5~u1404+mos1
librte-pmd-ixgbe1	16.07-0ubuntu5~u1404+mos1
librte-pmd-null-crypto1	16.07-0ubuntu5~u1404+mos1
librte-pmd-null1	16.07-0ubuntu5~u1404+mos1
librte-pmd-pcap1	16.07-0ubuntu5~u1404+mos1
librte-pmd-ring2	16.07-0ubuntu5~u1404+mos1
librte-pmd-vhost1	16.07-0ubuntu5~u1404+mos1
librte-pmd-virtio1	16.07-0ubuntu5~u1404+mos1
librte-pmd-vmxnet3-uio1	16.07-0ubuntu5~u1404+mos1
librte-pmd-xenvirt1	16.07-0ubuntu5~u1404+mos1
librte-port3	16.07-0ubuntu5~u1404+mos1
librte-power1	16.07-0ubuntu5~u1404+mos1
librte-reorder1	16.07-0ubuntu5~u1404+mos1
librte-ring1	16.07-0ubuntu5~u1404+mos1
librte-sched1	16.07-0ubuntu5~u1404+mos1
librte-table2	16.07-0ubuntu5~u1404+mos1
librte-timer1	16.07-0ubuntu5~u1404+mos1
librte-vhost3	16.07-0ubuntu5~u1404+mos1
libsam-dev	2.3.4-0u~u14.04+mos6
libsam4	2.3.4-0u~u14.04+mos6
libstonithd-dev	1.1.14-2~u14.04+mos4
libstonithd2	1.1.14-2~u14.04+mos4
libtotem-pg-dev	2.3.4-0u~u14.04+mos6
libtotem-pg5	2.3.4-0u~u14.04+mos6
libtransitioner2	1.1.14-2~u14.04+mos4
libvirt-bin	1.3.1-1ubuntu6~u1404+mos8
libvirt-clients	1.3.1-1ubuntu6~u1404+mos8
libvirt-daemon	1.3.1-1ubuntu6~u1404+mos8
libvirt-daemon-system	1.3.1-1ubuntu6~u1404+mos8
libvirt-dev	1.3.1-1ubuntu6~u1404+mos8

libvirt-doc	1.3.1-1ubuntu6~u1404+mos8
libvirt-sanlock	1.3.1-1ubuntu6~u1404+mos8
libvirt0	1.3.1-1ubuntu6~u1404+mos8
libvirt0-dbg	1.3.1-1ubuntu6~u1404+mos8
libvotequorum-dev	2.3.4-0u~u14.04+mos6
libvotequorum7	2.3.4-0u~u14.04+mos6
libxen-4.6	4.6.0-1ubuntu4~u1404+mos1
libxen-dev	4.6.0-1ubuntu4~u1404+mos1
libxenstore3.0	4.6.0-1ubuntu4~u1404+mos1
libxml2	2.9.3+dfsg1-1~u1404+mos2
libxml2-dbg	2.9.3+dfsg1-1~u1404+mos2
libxml2-dev	2.9.3+dfsg1-1~u1404+mos2
libxml2-doc	2.9.3+dfsg1-1~u1404+mos2
libxml2-utils	2.9.3+dfsg1-1~u1404+mos2
libxml2-utils-dbg	2.9.3+dfsg1-1~u1404+mos2
lua-sandbox-extensions	0.0~git20160812.98065e76-1~ub14.04+mos3
lua5.3	5.3.1-1~u14.04+mos1
mistral-api	2.0.0-2~u14.04+mos9
mistral-common	2.0.0-2~u14.04+mos9
mistral-engine	2.0.0-2~u14.04+mos9
mistral-executor	2.0.0-2~u14.04+mos9
murano-api	2.0.2-10~u14.04+mos20
murano-cfapi	2.0.2-10~u14.04+mos20
murano-common	2.0.2-10~u14.04+mos20
murano-doc	2.0.2-10~u14.04+mos20
murano-engine	2.0.2-10~u14.04+mos20
murano-glance-artifacts-plugin	2.0.2-10~u14.04+mos20
murano-rabbitmq	2.0.2-10~u14.04+mos20
mysql-client-5.6	5.6.36-0~u14.04+mos0
mysql-server-wsrep-5.6	5.6.36-0~u14.04+mos0
mysql-testsuite-5.6	5.6.36-0~u14.04+mos0
mysql-wsrep-5.6	5.6.36-0~u14.04+mos0
mysql-wsrep-common-5.6	5.6.36-0~u14.04+mos0

mysql-wsrep-libmysqlclient-dev	5.6.36-0~u14.04+mos0
mysql-wsrep-libmysqlclient18	5.6.36-0~u14.04+mos0
mysql-wsrep-testsuite-5.6	5.6.36-0~u14.04+mos0
nailgun-agent	9.0.0-1~u14.04+mos187
nailgun-mcagents	9.0.0-1~u14.04+mos794
network-checker	9.0.0-1~u14.04+mos79
neutron-common	8.4.0-2~u14.04+mos21
neutron-dhcp-agent	8.4.0-2~u14.04+mos21
neutron-doc	8.4.0-2~u14.04+mos21
neutron-fwaas-doc	8.4.0-2~u14.04+mos1
neutron-l3-agent	8.4.0-2~u14.04+mos21
neutron-lbaas-agent	8.4.0-2~u14.04+mos4
neutron-lbaas-common	8.4.0-2~u14.04+mos4
neutron-lbaas-doc	8.4.0-2~u14.04+mos4
neutron-lbaasv2-agent	8.4.0-2~u14.04+mos4
neutron-linuxbridge-agent	8.4.0-2~u14.04+mos21
neutron-metadata-agent	8.4.0-2~u14.04+mos21
neutron-metering-agent	8.4.0-2~u14.04+mos21
neutron-openvswitch-agent	8.4.0-2~u14.04+mos21
neutron-plugin-linuxbridge-agent	8.4.0-2~u14.04+mos21
neutron-plugin-nec-agent	8.4.0-2~u14.04+mos21
neutron-plugin-openvswitch-agent	8.4.0-2~u14.04+mos21
neutron-server	8.4.0-2~u14.04+mos21
neutron-sriov-agent	8.4.0-2~u14.04+mos21
neutron-vpn-agent	8.2.0-2~u14.04+mos1
neutron-vpnaas-doc	8.2.0-2~u14.04+mos1
nova-api	13.1.4-7~u14.04+mos38
nova-cells	13.1.4-7~u14.04+mos38
nova-cert	13.1.4-7~u14.04+mos38
nova-common	13.1.4-7~u14.04+mos38
nova-compute	13.1.4-7~u14.04+mos38
nova-compute-ironic	13.1.4-7~u14.04+mos38
nova-compute-kvm	13.1.4-7~u14.04+mos38

nova-compute-lxc	13.1.4-7~u14.04+mos38
nova-compute-qemu	13.1.4-7~u14.04+mos38
nova-conductor	13.1.4-7~u14.04+mos38
nova-console	13.1.4-7~u14.04+mos38
nova-consoleauth	13.1.4-7~u14.04+mos38
nova-consoleproxy	13.1.4-7~u14.04+mos38
nova-doc	13.1.4-7~u14.04+mos38
nova-network	13.1.4-7~u14.04+mos38
nova-scheduler	13.1.4-7~u14.04+mos38
nova-volume	13.1.4-7~u14.04+mos38
novnc	0.6.1-1~u14.04+mos1
ntp	4.2.6.p5+dfsg-3~u14.04+mos3
ntp-doc	4.2.6.p5+dfsg-3~u14.04+mos3
ntpdate	4.2.6.p5+dfsg-3~u14.04+mos3
openstack-dashboard	9.1.2-3~u14.04+mos32
openstack-dashboard-apache	9.1.2-3~u14.04+mos32
openstack-pkg-tools	40~u14.04+mos3
openvswitch-common	2.6.1-0~u1404+mos3
openvswitch-dbg	2.6.1-0~u1404+mos3
openvswitch-ipsec	2.6.1-0~u1404+mos3
openvswitch-pki	2.6.1-0~u1404+mos3
openvswitch-switch	2.6.1-0~u1404+mos3
openvswitch-switch-dpdk	2.6.1-0~u1404+mos3
openvswitch-test	2.6.1-0~u1404+mos3
openvswitch-testcontroller	2.6.1-0~u1404+mos3
openvswitch-vtep	2.6.1-0~u1404+mos3
os-brick-common	1.2.0-4~u14.04+mos8
oslo-messaging-zmq-receiver	4.6.1-3~u14.04+mos19
ovn-central	2.6.1-0~u1404+mos3
ovn-common	2.6.1-0~u1404+mos3
ovn-controller-vtep	2.6.1-0~u1404+mos3
ovn-docker	2.6.1-0~u1404+mos3
ovn-host	2.6.1-0~u1404+mos3

pacemaker	1.1.14-2~u14.04+mos4
pacemaker-cli-utils	1.1.14-2~u14.04+mos4
pacemaker-common	1.1.14-2~u14.04+mos4
pacemaker-dbg	1.1.14-2~u14.04+mos4
pacemaker-doc	1.1.14-2~u14.04+mos4
pacemaker-remote	1.1.14-2~u14.04+mos4
pacemaker-resource-agents	1.1.14-2~u14.04+mos4
pcs	0.9.144-1~u14.04+mos2
puppet	3.8.5-2~u14.04+mos2
puppet-common	3.8.5-2~u14.04+mos2
puppet-el	3.8.5-2~u14.04+mos2
puppet-testsuite	3.8.5-2~u14.04+mos2
puppetmaster	3.8.5-2~u14.04+mos2
puppetmaster-common	3.8.5-2~u14.04+mos2
puppetmaster-passenger	3.8.5-2~u14.04+mos2
pycadf-common	2.2.0-2~u14.04+mos2
python-aodh	2.0.5-4~u14.04+mos3
python-aodhclient	0.3.0-3~u14.04+mos2
python-aodhclient-doc	0.3.0-3~u14.04+mos2
python-ceilometer	6.1.4-5~u14.04+mos27
python-ceilometerclient	2.4.0-3~u14.04+mos1
python-ceilometerclient-doc	2.4.0-3~u14.04+mos1
python-ceilometermiddleware	0.4.0-1~u14.04+mos4
python-ceilometermiddleware-doc	0.4.0-1~u14.04+mos4
python-ceph	0.94.9-1~u14.04+mos2
python-cephfs	0.94.9-1~u14.04+mos2
python-cinder	8.1.1-6~u14.04+mos26
python-cinderclient	1.6.0-3~u14.04+mos6
python-django	1.8.7-2~u14.04+mos2
python-django-common	1.8.7-2~u14.04+mos2
python-django-doc	1.8.7-2~u14.04+mos2
python-django-horizon	9.1.2-3~u14.04+mos32
python-django-openstack-auth	2.2.1-2~u14.04+mos9

python-glance	12.0.0-5~u14.04+mos25
python-glance-doc	12.0.0-5~u14.04+mos25
python-glance-store	0.13.1-1~u14.04+mos4
python-glance-store-doc	0.13.1-1~u14.04+mos4
python-glanceclient	2.0.1-3~u14.04+mos2
python-glanceclient-doc	2.0.1-3~u14.04+mos2
python-heat	6.1.2-4~u14.04+mos5
python-heatclient	1.1.0-2~u14.04+mos3
python-influxdb	2.12.0-1~u14.04+mos1
python-ironic	5.1.3-4~u14.04+mos2
python-ironic-inspector-client	1.6.0-1~u14.04+mos3
python-ironicclient	1.3.1-2~u14.04+mos1
python-ironicclient-doc	1.3.1-2~u14.04+mos1
python-kafka	1.2.5-1~u14.04+mos1
python-kafka-doc	1.2.5-1~u14.04+mos1
python-keystone	9.3.0-3~u14.04+mos8
python-keystoneauth1	2.4.3-2~u14.04+mos0
python-keystoneauth1-doc	2.4.3-2~u14.04+mos0
python-keystoneclient	2.3.2-3~u14.04+mos0
python-keystoneclient-doc	2.3.2-3~u14.04+mos0
python-libvirt	1.3.1-1~u14.04+mos1
python-libxml2	2.9.3+dfsg1-1~u1404+mos2
python-libxml2-dbg	2.9.3+dfsg1-1~u1404+mos2
python-mistral	2.0.0-2~u14.04+mos9
python-mistralclient	2.0.0-3~u14.04+mos6
python-murano	2.0.2-10~u14.04+mos20
python-murano-dashboard	2.0.2-5~u14.04+mos9
python-muranoclient	0.8.6-1~u14.04+mos8
python-muranoclient-doc	0.8.6-1~u14.04+mos8
python-neutron	8.4.0-2~u14.04+mos21
python-neutron-fwaas	8.4.0-2~u14.04+mos1
python-neutron-lbaas	8.4.0-2~u14.04+mos4
python-neutron-lib	0.0.3-2+mos3

python-neutron-lib-doc	0.0.3-2+mos3
python-neutron-vpnaas	8.2.0-2~u14.04+mos1
python-neutronclient	4.1.2-2~u14.04+mos15
python-neutronclient-doc	4.1.2-2~u14.04+mos15
python-nova	13.1.4-7~u14.04+mos38
python-novaclient	3.3.2-4~u14.04+mos3
python-novaclient-doc	3.3.2-4~u14.04+mos3
python-novnc	0.6.1-1~u14.04+mos1
python-openstack-auth	2.2.1-2~u14.04+mos9
python-openstackclient	2.3.1-2~u14.04+mos2
python-openstackclient-doc	2.3.1-2~u14.04+mos2
python-openvswitch	2.6.1-0~u1404+mos3
python-os-brick	1.2.0-4~u14.04+mos8
python-os-brick-doc	1.2.0-4~u14.04+mos8
python-os-win	0.5.0-1~u14.04+mos0
python-os-win-doc	0.5.0-1~u14.04+mos0
python-oslo-concurrency	3.7.1-1~u14.04+mos1
python-oslo-concurrency-doc	3.7.1-1~u14.04+mos1
python-oslo-config	3.9.0-4~u14.04+mos3
python-oslo-config-doc	3.9.0-4~u14.04+mos3
python-oslo-db	4.7.1-3~u14.04+mos2
python-oslo-db-doc	4.7.1-3~u14.04+mos2
python-oslo-log	3.3.0-2~u14.04+mos6
python-oslo-log-doc	3.3.0-2~u14.04+mos6
python-oslo-messaging	4.6.1-3~u14.04+mos19
python-oslo-middleware	3.8.0-4~u14.04+mos4
python-oslo-middleware-doc	3.8.0-4~u14.04+mos4
python-oslo-versionedobjects	1.8.0-3~u14.04+mos3
python-oslo-versionedobjects-doc	1.8.0-3~u14.04+mos3
python-oslo-vmware	2.5.0-3~u14.04+mos3
python-oslo-vmware-doc	2.5.0-3~u14.04+mos3
python-oslo.concurrency	3.7.1-1~u14.04+mos1
python-oslo.concurrency-doc	3.7.1-1~u14.04+mos1

python-oslo.config	3.9.0-4~u14.04+mos3
python-oslo.config-doc	3.9.0-4~u14.04+mos3
python-oslo.db	4.7.1-3~u14.04+mos2
python-oslo.db-doc	4.7.1-3~u14.04+mos2
python-oslo.log	3.3.0-2~u14.04+mos6
python-oslo.log-doc	3.3.0-2~u14.04+mos6
python-oslo.messaging	4.6.1-3~u14.04+mos19
python-oslo.messaging.kafka	0.0.1-1~u14.04+mos2
python-oslo.messaging.kafka-doc	0.0.1-1~u14.04+mos2
python-oslo.middleware	3.8.0-4~u14.04+mos4
python-oslo.middleware-doc	3.8.0-4~u14.04+mos4
python-oslo.service	1.8.0-2~u14.04+mos3
python-oslo.service-doc	1.8.0-2~u14.04+mos3
python-oslo.versionedobjects	1.8.0-3~u14.04+mos3
python-oslo.versionedobjects-doc	1.8.0-3~u14.04+mos3
python-oslo.vmware	2.5.0-3~u14.04+mos3
python-oslo.vmware-doc	2.5.0-3~u14.04+mos3
python-packetary	9.0.0-1~u14.04+mos173
python-pycadf	2.2.0-2~u14.04+mos2
python-rados	0.94.9-1~u14.04+mos2
python-rbd	0.94.9-1~u14.04+mos2
python-sahara	4.1.2-3~u14.04+mos8
python-sahara-dashboard	4.0.1-2~u14.04+mos8
python-saharaclient	0.14.1-1~u14.04+mos1
python-saharaclient-doc	0.14.1-1~u14.04+mos1
python-swift	2.7.1-4~u14.04+mos2
python-zaqar	2.0.0~rc1-3~u14.04+mos1
python3-aodhclient	0.3.0-3~u14.04+mos2
python3-ceilometerclient	2.4.0-3~u14.04+mos1
python3-cinderclient	1.6.0-3~u14.04+mos6
python3-django	1.8.7-2~u14.04+mos2
python3-django-openstack-auth	2.2.1-2~u14.04+mos9
python3-glance-store	0.13.1-1~u14.04+mos4

python3-glanceclient	2.0.1-3~u14.04+mos2
python3-heatclient	1.1.0-2~u14.04+mos3
python3-influxdb	2.12.0-1~u14.04+mos1
python3-ironic-inspector-client	1.6.0-1~u14.04+mos3
python3-ironicclient	1.3.1-2~u14.04+mos1
python3-kafka	1.2.5-1~u14.04+mos1
python3-keystoneauth1	2.4.3-2~u14.04+mos0
python3-keystoneclient	2.3.2-3~u14.04+mos0
python3-libvirt	1.3.1-1~u14.04+mos1
python3-mistralclient	2.0.0-3~u14.04+mos6
python3-muranoclient	0.8.6-1~u14.04+mos8
python3-neutron-lib	0.0.3-2+mos3
python3-neutronclient	4.1.2-2~u14.04+mos15
python3-novaclient	3.3.2-4~u14.04+mos3
python3-openstackclient	2.3.1-2~u14.04+mos2
python3-openvswitch	2.6.1-0~u1404+mos3
python3-os-brick	1.2.0-4~u14.04+mos8
python3-os-win	0.5.0-1~u14.04+mos0
python3-oslo-concurrency	3.7.1-1~u14.04+mos1
python3-oslo-config	3.9.0-4~u14.04+mos3
python3-oslo-log	3.3.0-2~u14.04+mos6
python3-oslo-middleware	3.8.0-4~u14.04+mos4
python3-oslo.concurrency	3.7.1-1~u14.04+mos1
python3-oslo.config	3.9.0-4~u14.04+mos3
python3-oslo.db	4.7.1-3~u14.04+mos2
python3-oslo.log	3.3.0-2~u14.04+mos6
python3-oslo.messaging	4.6.1-3~u14.04+mos19
python3-oslo.messaging.kafka	0.0.1-1~u14.04+mos2
python3-oslo.middleware	3.8.0-4~u14.04+mos4
python3-oslo.service	1.8.0-2~u14.04+mos3
python3-oslo.versionedobjects	1.8.0-3~u14.04+mos3
python3-oslo.vmware	2.5.0-3~u14.04+mos3
python3-pycadf	2.2.0-2~u14.04+mos2

python3-saharaclient	0.14.1-1~u14.04+mos1
qemu	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-block-extra	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-guest-agent	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-kvm	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-arm	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-common	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-mips	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-misc	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-ppc	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-sparc	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-system-x86	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-user	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-user-binfmt	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-user-static	2.5+dfsg-5ubuntu6~u1404+mos4
qemu-utils	2.5+dfsg-5ubuntu6~u1404+mos4
rabbitmq-server	3.6.6-1~u14.04+mos2
radosgw	0.94.9-1~u14.04+mos2
radosgw-dbg	0.94.9-1~u14.04+mos2
rbd-fuse	0.94.9-1~u14.04+mos2
rbd-fuse-dbg	0.94.9-1~u14.04+mos2
rest-bench	0.94.9-1~u14.04+mos2
rest-bench-dbg	0.94.9-1~u14.04+mos2
sahara	4.1.2-3~u14.04+mos8
sahara-api	4.1.2-3~u14.04+mos8
sahara-common	4.1.2-3~u14.04+mos8
sahara-doc	4.1.2-3~u14.04+mos8
sahara-engine	4.1.2-3~u14.04+mos8
swift	2.7.1-4~u14.04+mos2
swift-account	2.7.1-4~u14.04+mos2
swift-container	2.7.1-4~u14.04+mos2
swift-doc	2.7.1-4~u14.04+mos2

swift-drive-audit	2.7.1-4~u14.04+mos2
swift-object	2.7.1-4~u14.04+mos2
swift-object-expirer	2.7.1-4~u14.04+mos2
swift-proxy	2.7.1-4~u14.04+mos2
vim-haproxy	1.6.3-1~u14.04+mos3
vim-puppet	3.8.5-2~u14.04+mos2
xen-hypervisor-4.4-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-hypervisor-4.5-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-hypervisor-4.6-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-system-amd64	4.6.0-1ubuntu4~u1404+mos1
xen-utils-4.6	4.6.0-1ubuntu4~u1404+mos1
xen-utils-common	4.6.0-1ubuntu4~u1404+mos1
xenstore-utils	4.6.0-1ubuntu4~u1404+mos1
zaqar-common	2.0.0~rc1-3~u14.04+mos1
zaqar-server	2.0.0~rc1-3~u14.04+mos1

CentOS packages

Package name	Package version
GitPython	2.0.8-1.el7~mos1
ansible	2.1.1.0-1.el7~mos2
cobbler	2.6.9-1.el7~mos12
cobbler-web	2.6.9-1.el7~mos12
fencing-agent	9.0.0-1.mos8978
fuel	9.0.0-1.mos6366
fuel-agent	9.0.0-1.mos298
fuel-bootstrap-cli	9.0.0-1.mos298
fuel-ha-utils	9.0.0-1.mos8763
fuel-library9.0	9.0.0-1.mos8763
fuel-migrate	9.0.0-1.mos8763
fuel-mirror	9.0.0-1.mos173
fuel-misc	9.0.0-1.mos8763
fuel-nailgun	9.0.0-1.mos8978
fuel-nailgun-extension-cluster-upgrade	9.1-1.mos86

fuel-nailgun-extension-converted-serializers	10.0~b1-1.mos4
fuel-nailgun-extension-iac	9.0.0-1.mos62
fuel-notify	9.0.0-1.mos8763
fuel-octane	9.0.0-1.mos1373
fuel-openstack-metadata	9.0.0-1.mos8978
fuel-ostf	9.0.0-1.mos950
fuel-provisioning-scripts	9.0.0-1.mos8978
fuel-rabbit-fence	9.0.0-1.mos8763
fuel-release	9.0.0-1.mos6366
fuel-setup	9.0.0-1.mos6366
fuel-ui	9.0.0-1.mos2868
fuel-umm	9.0.0-1.mos8763
fuel-utils	9.0.0-1.mos8763
fuelmenu	9.0.0-1.mos278
ironic-fa-bootstrap-configs	9.0.0-1.mos298
koan	2.6.9-1.el7~mos12
logrotate	3.8.6-7.el7~mos2
logrotate-debuginfo	3.8.6-7.el7~mos2
mos-playbooks	1.0.99-1.el7~mos1
mos-release	9.2-1.el7
mos-updates	1.0.3-4.el7~mos7
nailgun-agent	9.0.0-1.mos187
nailgun-mcagents	9.0.0-1.mos794
network-checker	9.0.0-1.mos79
network-checker-debuginfo	9.0.0-1.mos79
nginx	1.11.1-1.el7~mos0
nginx-debuginfo	1.11.1-1.el7~mos0
nginx-module-geoip	1.11.1-1.el7~mos0
nginx-module-image-filter	1.11.1-1.el7~mos0
nginx-module-njs	1.11.1.0.0.20160414.1c50334f6ea6-1.el7~mos0
nginx-module-perl	1.11.1-1.el7~mos0
nginx-module-xslt	1.11.1-1.el7~mos0

nodejs-nailgun	4-1.el7~mos1
nodejs-nailgun-debuginfo	4-1.el7~mos1
openstack-ceilometer-api	6.1.4-2.el7~mos27
openstack-ceilometer-central	6.1.4-2.el7~mos27
openstack-ceilometer-collector	6.1.4-2.el7~mos27
openstack-ceilometer-common	6.1.4-2.el7~mos27
openstack-ceilometer-compute	6.1.4-2.el7~mos27
openstack-ceilometer-ipmi	6.1.4-2.el7~mos27
openstack-ceilometer-notification	6.1.4-2.el7~mos27
openstack-ceilometer-polling	6.1.4-2.el7~mos27
openstack-cinder	8.1.1-1.el7~mos26
openstack-cinder-doc	8.1.1-1.el7~mos26
openstack-glance	12.0.0-2.el7~mos25
openstack-glance-doc	12.0.0-2.el7~mos25
openstack-ironic-api	5.1.3-1.el7~mos2
openstack-ironic-common	5.1.3-1.el7~mos2
openstack-ironic-conductor	5.1.3-1.el7~mos2
openstack-keystone	9.3.0-2.el7~mos8
openstack-keystone-doc	9.3.0-2.el7~mos8
openstack-neutron	8.4.0-1.el7~mos21
openstack-neutron-bgp-dragent	8.4.0-1.el7~mos21
openstack-neutron-common	8.4.0-1.el7~mos21
openstack-neutron-doc	8.4.0-1.el7~mos21
openstack-neutron-fwaas	8.4.0-1.el7~mos1
openstack-neutron-lbaas	8.4.0-1.el7~mos4
openstack-neutron-linuxbridge	8.4.0-1.el7~mos21
openstack-neutron-macvtap-agent	8.4.0-1.el7~mos21
openstack-neutron-metering-agent	8.4.0-1.el7~mos21
openstack-neutron-ml2	8.4.0-1.el7~mos21
openstack-neutron-openvswitch	8.4.0-1.el7~mos21
openstack-neutron-rpc-server	8.4.0-1.el7~mos21
openstack-neutron-sriov-nic-agent	8.4.0-1.el7~mos21
openstack-neutron-vpnaas	8.2.0-1.el7~mos1

openstack-neutron-vyatta-agent	8.2.0-1.el7~mos1
openstack-nova	13.1.4-3.el7~mos38
openstack-nova-api	13.1.4-3.el7~mos38
openstack-nova-cells	13.1.4-3.el7~mos38
openstack-nova-cert	13.1.4-3.el7~mos38
openstack-nova-common	13.1.4-3.el7~mos38
openstack-nova-compute	13.1.4-3.el7~mos38
openstack-nova-conductor	13.1.4-3.el7~mos38
openstack-nova-console	13.1.4-3.el7~mos38
openstack-nova-doc	13.1.4-3.el7~mos38
openstack-nova-network	13.1.4-3.el7~mos38
openstack-nova-novncproxy	13.1.4-3.el7~mos38
openstack-nova-scheduler	13.1.4-3.el7~mos38
openstack-nova-serialproxy	13.1.4-3.el7~mos38
openstack-nova-spicehtml5proxy-13.1.4-3.el7~mos38	
openstack-swift	2.7.1-1.el7~mos2
openstack-swift-account	2.7.1-1.el7~mos2
openstack-swift-container	2.7.1-1.el7~mos2
openstack-swift-doc	2.7.1-1.el7~mos2
openstack-swift-object	2.7.1-1.el7~mos2
openstack-swift-proxy	2.7.1-1.el7~mos2
os-brick	1.2.0-1.el7~mos8
python-aodhclient	0.3.0-1.el7~mos2
python-ceilometer	6.1.4-2.el7~mos27
python-ceilometerclient	2.4.0-1.el7~mos1
python-ceilometerclient-doc	2.4.0-1.el7~mos1
python-cinder	8.1.1-1.el7~mos26
python-cinderclient	1.6.0-1.el7~mos6
python-cinderclient-doc	1.6.0-1.el7~mos6
python-crypto	2.6.1-1.el7.1~mos2
python-crypto-debuginfo	2.6.1-1.el7.1~mos2
python-cryptography-debuginfo	1.0-1.el7~mos3

python-cudet	0.1.9-1.el7~mos1
python-enum34	1.0.4-1.el7_0~mos1
python-flake8	2.4.1-2.el7~mos10
python-fuelclient	9.0.0-1.mos367
python-gitdb	0.6.4-2.el7~mos1
python-gitdb-debuginfo	0.6.4-2.el7~mos1
python-glance	12.0.0-2.el7~mos25
python-glance-store	0.13.1-1.el7~mos4
python-glance-store-doc	0.13.1-1.el7~mos4
python-glance-tests	12.0.0-2.el7~mos25
python-glanceclient	2.0.1-1.el7~mos2
python-glanceclient-doc	2.0.1-1.el7~mos2
python-heatclient	1.1.0-1.el7~mos3
python-heatclient-doc	1.1.0-1.el7~mos3
python-ironic-tests	5.1.3-1.el7~mos2
python-ironicclient	1.3.1-1.el7~mos1
python-kafka	1.2.5-1.el7~mos1
python-keystone	9.3.0-2.el7~mos8
python-keystoneauth1	2.4.3-1.el7~mos0
python-keystoneauth1-doc	2.4.3-1.el7~mos0
python-keystoneclient	2.3.2-1.el7~mos0
python-keystoneclient-doc	2.3.2-1.el7~mos0
python-mistralclient	2.0.0-1.el7~mos6
python-mistralclient-doc	2.0.0-1.el7~mos6
python-muranoclient	0.8.6-1.el7~mos8
python-neutron	8.4.0-1.el7~mos21
python-neutron-fwaas	8.4.0-1.el7~mos1
python-neutron-fwaas-tests	8.4.0-1.el7~mos1
python-neutron-lbaas	8.4.0-1.el7~mos4
python-neutron-lbaas-tests	8.4.0-1.el7~mos4
python-neutron-lib	0.0.3-2.el7~mos3
python-neutron-lib-doc	0.0.3-2.el7~mos3
python-neutron-lib-tests	0.0.3-2.el7~mos3

python-neutron-tests	8.4.0-1.el7~mos21
python-neutron-vpnaas	8.2.0-1.el7~mos1
python-neutron-vpnaas-tests	8.2.0-1.el7~mos1
python-neutronclient	4.1.2-2.el7~mos15
python-neutronclient-doc	4.1.2-2.el7~mos15
python-nova	13.1.4-3.el7~mos38
python-novaclient	3.3.2-2.el7~mos3
python-novaclient-doc	3.3.2-2.el7~mos3
python-openstackclient	2.3.1-1.el7~mos2
python-openstackclient-doc	2.3.1-1.el7~mos2
python-oslo-concurrency	3.7.1-1.el7~mos1
python-oslo-concurrency-doc	3.7.1-1.el7~mos1
python-oslo-db	4.7.1-1.el7~mos2
python-oslo-db-doc	4.7.1-1.el7~mos2
python-oslo-log	3.3.0-1.el7~mos6
python-oslo-log-doc	3.3.0-1.el7~mos6
python-oslo-messaging	4.6.1-2.el7~mos19
python-oslo-messaging-kafka	0.0.1-1.el7~mos2
python-oslo-messaging-kafka-doc	0.0.1-1.el7~mos2
python-oslo-middleware	3.8.0-1.el7~mos4
python-oslo-middleware-doc	3.8.0-1.el7~mos4
python-oslo-service	1.8.0-2.el7~mos4
python-oslo-versionedobjects	1.8.0-2.el7~mos3
python-oslo-versionedobjects-doc	1.8.0-2.el7~mos3
python-oslo-vmware	2.5.0-1.el7~mos3
python-oslo-vmware-doc	2.5.0-1.el7~mos3
python-packetary	9.0.0-1.mos173
python-paramiko	1.16.0-1.el7.1~mos1
python-paramiko-doc	1.16.0-1.el7.1~mos1
python-pycadf	1.1.0-1.el7~mos2
python-pysaml2	2.4.0-2.el7~mos6
python-saharaclient	0.14.1-2.el7~mos1
python-smmap	0.9.0-1.el7~mos1

python-timmy	1.26.11-1.mos400
python2-cryptography	1.0-1.el7~mos3
python2-google-api-client	1.4.2-5.el7~mos2
python2-ironic-inspector-client	1.6.0-1.el7~mos3
python2-os-win	0.5.0-1.el7~mos0
python2-oslo-config	3.9.0-2.el7~mos3
python2-oslo-config-doc	3.9.0-2.el7~mos3
python3-GitPython	2.0.8-1.el7~mos1
python3-crypto	2.6.1-1.el7.1~mos2
python3-gitdb	0.6.4-2.el7~mos1
python3-smmmap	0.9.0-1.el7~mos1
rabbitmq-server	3.6.5-1.el7~mos1
rsync	3.1.0-6.el7~mos0
rsync-debuginfo	3.1.0-6.el7~mos0
rubygem-astute	9.0.0-1.mos794
solar	0.2.1-2